

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/KR 03/01451-0

## CLASSIFICATION OF SUBJECT MATTER

IPC<sup>7</sup>: C23C 16/44

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC<sup>7</sup>: C23C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

WPI, EPODOC, STN-Patdpa, Internet

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	GB 1529526 A (TETRONICS RESEARCH AND DEVELOPMENT COMPANY LIM.) 25 October 1978 (25.10.1978) <i>claims, figure 1.</i>	1-22
A	US 5369035 A (EASTGATE et al.) 29 November 1994 (29.11.1994) <i>claims 1,2.</i>	1-22
A	US 5143139 A (LEATHAM et al.) 1 September 1992 (01.09.1992) <i>claims 1,14,,22.</i>	1-22
A	RU 2171160 C1 (ANISIMOV I V) 27 July 2001 (27.07.2001) <i>Derwent abstract, retrieved on 23.03.04, retrieved from bdoor database.</i>	1-22

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

## \* Special categories of cited documents:

„A“ document defining the general state of the art which is not considered to be of particular relevance

„E“ earlier application or patent but published on or after the international filing date

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„O“ document referring to an oral disclosure, use, exhibition or other means

„P“ document published prior to the international filing date but later than the priority date claimed

„T“ later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

„X“ document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

„Y“ document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

„&amp;“ document member of the same patent family

Date of the actual completion of the international search

23 March 2004 (23.03.2004)

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18 May 2004 (18.05.2004)

Name and mailing address of the ISA/AT

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# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.  
PCT/KR 03/01451-0

Patent document cited in search report			Publication date	Patent family member(s)			Publication date
GB	A	1529526	1978-10-25	IT	B	1085021	1985-05-28
				ZA	A	7705060	1978-07-26
				US	A	4154972	1979-05-15
				FR	A	2363259	1978-03-24
				DE	A	2737940	1978-03-02
RU	C	2171160	2001-07-27	none			
US	A	5143139	1992-09-01	JP	B	3170269B2	2001-05-28
				WO	A	8912115	1989-12-14
				EP	A	0418299	1991-03-27
				AU	A	3830089	1990-01-05
				AU	B	638676	1993-07-08